

**CLEAN VERSION OF AMENDED CLAIMS:**

*B1* 1. (Amended) A stable resonator for solid-state lasers which exhibit a thermally induced lensing effect, with a laser rod, a rear mirror and a semi-reflecting output mirror, wherein the rear mirror is convex, the end of the laser rod facing the rear mirror is also convex, and the output mirror is arranged in close proximity to the other end of the laser rod.

*B2 C2* 2. (Amended) The resonator according to claim 3, wherein the semi-reflecting end of the laser rod is formed planar.

*B2 C2* 3. (Twice amended) The resonator according to claim 1, wherein the output mirror is formed by the end of the laser rod.

*B3 C2* 4. (Amended) A stable resonator for solid-state lasers which exhibit a thermally induced lensing effect, with a laser rod, a rear mirror and a semi-reflecting output mirror, wherein the rear mirror is convex, the end of the laser rod facing the rear mirror is planar, the other end of the laser rod is convex, and the output mirror is formed by the other end of the laser rod, wherein this end is semi-reflecting.

*B4*

5. (Twice amended) A stable resonator for solid-state lasers which exhibit a thermally induced lensing effect, with a laser rod, a rear mirror and a semi-reflecting output mirror, wherein the rear mirror is convex, the end of the laser rod facing the rear mirror is planar, the other end of the laser rod is convex, and the output mirror is arranged in close proximity to the other end of the laser rod.

6. (Twice amended) The resonator according to claim 1, wherein the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.

*B5*

7. (Amended) The resonator according to claim 5, wherein the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.

8. (Amended) The resonator according to claim 4, wherein the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.

*B6*

10. (Amended) The resonator according to claim 1, wherein the output mirror is arranged at a distance of less than approximately 10 mm to the other end of the laser rod.

11. (Amended) The resonator according to claim 5, wherein the output mirror is arranged at a distance of less than approximately 10 mm to the other end of the laser rod.

**VERSION WITH MARKINGS TO SHOW CHANGES MADE:**

**IN THE CLAIMS:**

**Cancel** claim 9 without prejudice.

**Amend** the following claims:

1. (Amended) ~~Stable~~ A stable resonator for solid-state lasers which exhibit a thermally induced lensing effect, with a laser rod, a rear mirror and a semi-reflecting output mirror, ~~characterized in that~~ wherein the rear mirror is convex, ~~that~~ the end of the laser rod facing the rear mirror is also convex, and ~~that~~ the output mirror is arranged in close proximity to ~~formed by~~ the other end of the laser rod, ~~wherein this end the output mirror is semi-reflecting~~.
2. (Amended) The resonator according to claim 4 3, ~~characterized in that~~ wherein the semi-reflecting end of the laser rod is formed planar.
3. (Twice amended) The resonator according to ~~the preamble of~~ claim 1, ~~characterized in that~~ wherein the rear mirror is convex, ~~that~~ the end of the laser rod facing the rear mirror is also convex, and ~~that~~ the output mirror is arranged in close proximity to ~~formed by~~ the end of the laser rod.

4. (Amended) Stable A stable resonator for solid-state lasers which exhibit a thermally induced lensing effect, with a laser rod, a rear mirror and a semi-reflecting output mirror, ~~characterized in that~~ wherein the rear mirror is convex, ~~that~~ the end of the laser rod facing the rear mirror is planar, ~~that~~ the other end of the laser rod is convex, and ~~that~~ the output mirror is formed by the other end of the laser rod, wherein this end is semi-reflecting.
5. (Twice amended) The A stable resonator for solid-state lasers which exhibit a thermally induced lensing effect, with a laser rod, a rear mirror and a semi-reflecting output mirror, wherein according to the preamble of claim ~~4, characterized in that~~ the rear mirror is convex, ~~that~~ the end of the laser rod facing the rear mirror is planar, ~~that~~ the other end of the laser rod is convex, and ~~that~~ the output mirror is arranged in close proximity to the other end of the laser rod.
6. (Twice amended) Resonator The resonator according to claim 1, ~~characterized in that~~ wherein the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.
7. (Amended) Resonator The resonator according to claim 3 5, ~~characterized in that~~ wherein the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.

8. (Amended) ~~Resonator~~ The resonator according to claim 4, ~~characterized in that wherein~~ the laser rod is a Nd:YAG, Er:YAG, Ho:YAG, or Nd:glass rod.
10. (Amended) The resonator according to ~~the preamble of~~ claim 1\_3, ~~characterized in that wherein~~ the output mirror is arranged at a distance of less than approximately 10 mm to the other end of the laser rod.
11. (Amended) The resonator according to ~~the preamble of~~ claim 5, ~~characterized in that wherein~~ the output mirror is arranged at a distance of less than approximately 10 mm to the other end of the laser rod.

**IN THE DRAWING:**

Amend FIG. 1 as per copy enclosed and indicated in red.